

**URBAN DISTRICT  
COUNCIL  
OF  
GAINSBOROUGH**

**ANNUAL REPORT**

of the

**Medical Officer of Health**

with that of the

**Sanitary Inspector**

**For the Year  
1938**



PUBLIC HEALTH OFFICERS  
OF THE AUTHORITY.

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*Medical Officer of Health:*

*J. A. HACKETT, M.B., Ch.B., (Edin. Univ.)*

*(part time).*

*Sanitary Inspector:*

*W. H. TEMPLE,*

*and one Clerical Assistant to the Sanitary Inspector.*

*Assistant Meat Inspector:*

*J. SMITHSON.*



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ANNUAL REPORT  
of the  
Medical Officer of Health  
for the year 1938.

TO THE CHAIRMAN AND MEMBERS OF THE HEALTH  
COMMITTEE.

Madam and Gentlemen,

I beg to submit my report for the year 1938.

On the whole, it has been a satisfactory year.

The incidence of infectious disease has been very slight. Good progress has been made with slum clearance and re-housing. The Ropery Road site has been nearing completion. The new Block at the Isolation Hospital has been almost completed and will be open early in 1939. Plans have been prepared for the new Administration Block and when this is completed, it should be a great boon to the Nursing Staff. Great difficulty has been experienced in obtaining nurses and one hopes that, with improved accommodation, this difficulty will be overcome. Some progress has been made with A.R.P. and one First-Aid Post has been completed and opened. There is still a considerable shortage of A.R.P. workers in various capacities but First-aid Classes are in progress and more recruits should soon be available. Again I have to report a decline in the estimated population to 16,840.

I regret to report a very high infantile mortality.

I am,

Your obedient servant,

J. A. HACKETT,

M.B., Ch.B.

## SECTION A.

### I. STATISTICS AND SOCIAL CONDITIONS OF THE AREA.

|                                             |                   |
|---------------------------------------------|-------------------|
| Area of the Urban District.....             | about 2,400 acres |
| Estimated population.....                   | 16,840            |
| Number of inhabited houses end of 1938..... | 4,891             |
| Rateable Value ..                           | £87,639           |
| Sum represented by 1d. Rate .....           | £337              |

The chief industries in the District are Engineering, Timber, Milling and Malting. There has been less unemployment due to increased work in the Engineering and Building Trades.

### II. EXTRACTS FROM VITAL STATISTICS.

|                                                             | Total | Male | Female | Birth Rate |
|-------------------------------------------------------------|-------|------|--------|------------|
| Live Births ..                                              | 217   | 115  | 102    | 12.8       |
| Legitimate .. .. .                                          | 202   | 110  | 92     |            |
| Illegitimate .. . . .                                       | 15    | 5    | 10     |            |
| Still Births .....                                          | 7     | 4    | 3      |            |
| Legitimate .....                                            | 6     | 4    | 2      |            |
| Illegitimate .. . . .                                       | 1     | —    | 1      |            |
| Still Birth Rate per 1,000 (live and still) Births .. . . . |       |      |        | 31.2       |

Deaths. 1938. All causes.

| Total | Male | Female | Death Rate |
|-------|------|--------|------------|
| 246   | 134  | 112    | 13.8       |

### DEATHS FROM PUERPERAL CAUSES (Headings 29 and 30).

|                                           |   |
|-------------------------------------------|---|
| Total number .....                        | 1 |
| Rate per 1,000 (life and Still) Births .. | — |
| Puerperal Sepsis ..                       | — |
| Other Puerperal Causes .....              | 1 |

# CAUSES OF DEATH.

|                                         | Male | Female | Total |
|-----------------------------------------|------|--------|-------|
| Whooping Cough .....                    | 2    | 2      | 4     |
| Influenza .....                         | 4    | —      | 4     |
| Pulmonary Tuberculosis .....            | 8    | 3      | 11    |
| Other Tuberculosis .....                | 2    | 1      | 3     |
| Cancer .....                            | 10   | 17     | 27    |
| Cirrhosis of Liver .....                | 2    | —      | 2     |
| Other Liver Diseases .....              | 2    | —      | 2     |
| Other Digestive Diseases .....          | 4    | 4      | 8     |
| Nephritis .....                         | 3    | 2      | 5     |
| Puerperal Sepsis .....                  | —    | —      | —     |
| Other Puerperal Diseases .....          | —    | 1      | 1     |
| Congenital Debility and Premature Birth | 5    | 6      | 11    |
| Senility .....                          | 3    | 6      | 9     |
| Suicide .....                           | 3    | 1      | 4     |
| Other Violence .....                    | 1    | 3      | 4     |
| Appendicitis .....                      | —    | —      | —     |
| Peptic Ulcer .....                      | 1    | —      | 1     |
| Bronchitis .....                        | 6    | 1      | 7     |
| Pneumonia (all forms) .....             | 4    | 5      | 9     |
| Other Respiratory Diseases .....        | —    | —      | —     |
| Heart Disease .....                     | 34   | 32     | 66    |
| Aneurysm .....                          | 1    | —      | 1     |
| Other Circulatory Disease .....         | 4    | 2      | 6     |
| Cerebral Haemorrhage .....              | 18   | 6      | 24    |
| Diarrhoea (under 2 years) .....         | 1    | —      | 1     |
| Diabetes .....                          | 3    | 4      | 7     |
| Other defined Diseases .....            | 13   | 14     | 27    |

# COMPARATIVE TABLES.

| Births     | Total | Male | Female | Rate |
|------------|-------|------|--------|------|
| 1938 ..... | 217   | 115  | 102    | 12.8 |
| 1937 ..... | 235   | 114  | 121    | 13.8 |
| 1936 ..... | 249   | 112  | 137    | 14.3 |
| 1935 ..... | 233   | 117  | 116    | 13.2 |
| 1934 ..... | 230   | 125  | 105    | 12.7 |

| Deaths | Total | Male | Female | Rate |
|--------|-------|------|--------|------|
| 1938   | 246   | 134  | 112    | 13.8 |
| 1937   | 249   | 135  | 114    | 13.7 |
| 1936   | 244   | 135  | 109    | 13.2 |
| 1935   | 236   | 130  | 106    | 13.4 |
| 1934   | 239   | 130  | 109    | 13.9 |

|                   | Birth Rate | Death Rate | Infant Mortality |
|-------------------|------------|------------|------------------|
| England and Wales | 15.1       | 11.6       | 53               |
| 126 Great Towns   | 15         | 11.7       | 57               |
| 148 Smaller Towns | 15.4       | 11.0       | 51               |
| London            | 13.4       | 11.4       | 57               |
| Gainsborough      | 12.8       | 13.8       | 82.8             |

#### DEATHS OF INFANTS UNDER 1 YEAR.

|              | Male | Female | Total |
|--------------|------|--------|-------|
| Legitimate   | 8    | 10     | 18    |
| Illegitimate | —    | —      | —     |

#### DEATH RATE OF INFANTS UNDER 1 YEAR.

|                                                     |      |
|-----------------------------------------------------|------|
| All infants per 1,000 Live Births                   | 82.8 |
| Legitimate Infants per 1,000 legitimate Live Births | 89.6 |
| Deaths from Cancer (all ages)                       | 27   |
| „ „ Measles (all ages)                              | nil  |
| „ „ Whooping Cough (all ages)                       | 4    |
| „ „ Diarrhoea (under 2 years)                       | 1    |

#### CAUSES OF INFANT DEATHS.

|                             |   |
|-----------------------------|---|
| Haemorrhage of the New-born | 3 |
| Premature Birth             | 4 |
| Congenital Heart Disease    | 2 |
| Pneumonia                   | 3 |
| Whooping Cough              | 2 |
| Enteritis                   | 1 |
| Laryngitis                  | 1 |
| Convulsions                 | 1 |
| Bronchitis                  | 1 |

## **SECTION B.**

### **GENERAL PROVISION OF HEALTH SERVICES IN THE AREA.**

#### **(a) Laboratory Facilities.**

The County Council undertake the examination of swabs for diagnosis of Diphtheria, also examination of sputum, Vidal Re-actions, etc.

The Urban Council also make use of the Clinical Research Laboratories in special cases.

#### **(b) Ambulance Facilities.**

The Urban District has two motor Ambulances, one for general purposes and one for infectious diseases.

#### **(c) Nursing in the Home.**

The Lincolnshire Nursing Association provide one Nurse in the District.

#### **(d) Treatment Centres and Clinics.**

No such services are provided by the Local Authority.

#### **(e) Hospitals.**

Public:

1. The Public Assistance Institution and Infirmary.
2. The Gainsborough Isolation Hospital.  
Accommodation 24 beds and cots.
3. The Otter Sanatorium, accommodation 12 beds.

Voluntary:

The John Coupland Hospital for Medical and Surgical Cases.  
Accommodation 30 beds.

## SECTION C.

### SANITARY CIRCUMSTANCES OF THE AREA.

#### 1. (1) WATER.

During the year ten groups of samples have been taken and analysed, each group consisting of three samples.

(1) From By-pass on Pumps.

(2) „ Reservoirs.

(3) „ Service Taps in the Town.

In all cases the results of analysis were entirely satisfactory, the analysts' reports stating that the water was pure and wholesome.

#### (2) DRAINAGE AND SEWAGE.

No important change.

#### 2. RIVERS AND STREAMS.

No action has been taken to prevent pollution.

- 3. (1) Closet Accommodation
- (2) Public Cleansing
- (3) Sanitary Inspection of the Area
- (4) Shops and Offices
- (5) Camping Sites
- (6) Smoke Abatement

} See Sanitary Inspector's Report.

#### (7) SWIMMING BATHS AND POOLS.

There are two swimming baths in the District, one covered and one open. The water used is the Town supply. Chlorination is not carried out but the water is changed twice weekly.

(8) ERADICATION OF BED BUGS.

|     |                                            |   |
|-----|--------------------------------------------|---|
| (1) | Number of Council Houses found infested    | 2 |
|     | Number of Other Houses found infested..... | — |
|     | Number of Houses dis-infested. ....        | 2 |

(2) **Methods employed in freeing Infested Houses.**

Spraying with “Zaldicide” insecticide is the usual method employed. Fumigation with “Fumoid” is used in some cases.

(3) **Methods employed for ensuring that belongings of tenants are free from Vermin before removal to Council Houses.**

Furniture of every description is sprayed with “Zaldicide” and all bedding is put through Steam Disinfector.

(4) The work of disinfectation is carried out by the Local Authority in all cases, except in the case of Privately Owned Houses. In these cases the labour is provided by the Owners and the Local Authority provide the necessary materials.

(5) After the initial spraying of infested premises has been done, it is usual to follow up the case within ten days, when a further application of insecticide is carried out. Advice is given to the tenants to prevent re-infestation, and further spraying done where required.

4. SCHOOLS. The sanitary condition and water supply of the Schools is satisfactory.

Incidence of infectious diseases was slight during the year. Generally when a case of infectious disease occurs, other children in the family are excluded until danger of infection is past and in cases of Diphtheria, contacts are swabbed.

## SECTION D.

### HOUSING.

Number of Houses erected during the year—

|                                  |    |
|----------------------------------|----|
| (a) Total .....                  | 78 |
| (1) By the Local Authority ..... | 56 |
| (2) By Private Enterprise .....  | 22 |

#### 1.—INSPECTION OF DWELLING-HOUSES DURING THE YEAR:—

|                                                                                                                                                                      |     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| (1) (a) Total number of Dwelling-houses inspected for housing defects (under Public Health and Housing Acts) .....                                                   | 112 |
| (b) Number of inspections made for the purpose .....                                                                                                                 | 112 |
| (2) (a) Number of Dwelling-houses included under Sub-head (1) above which were inspected and recorded under the Housing Consolidated Regulations 1925 and 1932 ..... | 56  |
| (b) Number of inspections made for the purpose .....                                                                                                                 | 56  |
| (3) Number of Dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation .....                                   | 68  |
| (4) Number of Dwelling-houses (exclusive of those referred to under preceding sub-head) found not to be in all respects fit for human habitation .....               | 44  |

#### 2.—REMEDY OF DEFECTS DURING THE YEAR WITHOUT SERVICE OF FORMAL NOTICES.

|                                                                                                                         |    |
|-------------------------------------------------------------------------------------------------------------------------|----|
| Number of Dwelling-houses rendered fit in consequence of informal action by the Local Authority or their Officers ..... | 26 |
|-------------------------------------------------------------------------------------------------------------------------|----|

3.—ACTION UNDER STATUTORY POWERS DURING THE  
YEAR:—

A.—PROCEEDINGS UNDER SECTIONS 9, 10 and 16 OF  
HOUSING ACT, 1936.

- |     |                                                                                     |    |
|-----|-------------------------------------------------------------------------------------|----|
| (1) | Number of Dwelling-houses in respect of which notices were served requiring repairs | 7  |
| (2) | Number of Dwelling-houses which were rendered fit after service of formal notices:— |    |
| (a) | By Owners                                                                           | 23 |
| (b) | By Local Authority in default of Owners                                             | 1  |

B.—PROCEEDINGS UNDER PUBLIC HEALTH ACTS.

- |     |                                                                                                    |    |
|-----|----------------------------------------------------------------------------------------------------|----|
| (1) | Number of Dwelling-houses in respect of which notices were served requiring defects to be remedied | 29 |
| (2) | Number of Dwelling-houses in which defects were remedied after service of formal notices:—         |    |
| (a) | By Owners                                                                                          | 39 |
| (b) | By Local Authority in default of Owners                                                            | —  |

C.—PROCEEDINGS UNDER SECTIONS 11 and 13 OF THE  
HOUSING ACT, 1936.

- |     |                                                                                                            |     |
|-----|------------------------------------------------------------------------------------------------------------|-----|
| (1) | Number of Dwelling-houses in respect of which Demolition Orders were made                                  | 118 |
| (2) | Number of Dwelling-houses demolished in pursuance of Demolition Orders (prior to Confirmation by Ministry) | 3   |
| (3) | Number of Dwelling-houses subject to undertaking                                                           | 2   |

D.—PROCEEDINGS UNDER SECTION 12 OF THE HOUSING  
ACT, 1936.

- |     |                                                                                                                                                     |   |
|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------|---|
| (1) | Number of separate tenements or underground rooms in respect of which Closing Orders were made                                                      | — |
| (2) | Number of separate tenements or underground rooms in respect of which Closing Orders were determined, the tenement or room having been rendered fit | — |

PROCEEDINGS UNDER SECTIONS 19 and 21 OF THE  
HOUSING ACT, 1930.

- |                                                                               |    |
|-------------------------------------------------------------------------------|----|
| (1) Number of Dwelling-houses demolished in pursuance of<br>Demolition Orders | 13 |
|-------------------------------------------------------------------------------|----|

4.—HOUSING ACT, 1936. PART IV. OVERCROWDING.

- |                                                                           |     |
|---------------------------------------------------------------------------|-----|
| (a) (1) Number of Dwelling-houses overcrowded at the end of<br>year       | 18  |
| (2) Number of families dwelling therein                                   | 18  |
| (3) Number of persons dwelling therein                                    | 122 |
| (b) Number of new cases of overcrowding reported during<br>the year       | —   |
| (c) (1) Number of cases of overcrowding relieved during the<br>year       | 3   |
| (2) Number of persons concerned in such cases                             | 22  |
| (d) Number of houses again overcrowded after being<br>previously relieved | 1   |

**SECTION E.**

**INSPECTION AND SUPERVISION OF FOOD, Etc.**

See Sanitary Inspector's Report.

**SECTION F.**

**PREVALENCE OF AND CONTROL OVER INFECTIOUS  
AND OTHER DISEASES.**

**Scarlet Fever.**

Only 8 cases were notified during the year, mostly of a mild nature.  
This is the lowest total for several years.

**Diphtheria.**

This disease was also notable by its absence, only 8 cases being  
notified and all recovered. All cases received anti-toxin early. No  
immunization was done during the year.

### **Pneumonia.**

35 cases were notified and 9 deaths were registered as due to this disease. This seems a high proportion of fatal cases and may be due to some cases not being notified.

### **Erysipelas.**

9 cases were notified of a mild character.

### **Puerperal Pyrexia.**

Only one case was notified and there were no deaths from puerperal sepsis.

### **Poliomyelitis.**

There was a small epidemic in the Autumn. Most of the cases were of a mild nature but in one case rather severe paralysis occurred. There were no deaths. Seven cases were notified.

TABLE I.  
NOTIFIABLE DISEASE, 1938.

| Disease                 | Number of<br>Cases | Removed to<br>Hospital | Deaths |
|-------------------------|--------------------|------------------------|--------|
| Scarlet Fever .....     | 8                  | 5                      | —      |
| Diphtheria .....        | 8                  | 8                      | —      |
| Pneumonia .....         | 35                 | —                      | 9      |
| Erysipelas.....         | 9                  | —                      | —      |
| Puerperal Pyrexia ..... | 1                  | 1                      | —      |
| Poliomyelitis .....     | 7                  | 3                      | —      |

TABLE II.  
DISTRIBUTION IN WARDS.

|                         | North | South | Market | Central |
|-------------------------|-------|-------|--------|---------|
| Scarlet Fever .....     | 5     | 1     | —      | 2       |
| Diphtheria .....        | 2     | —     | 2      | 4       |
| Pneumonia .....         | 8     | 8     | 5      | 14      |
| Erysipelas.....         | 2     | 2     | 2      | 3       |
| Puerperal Pyrexia ..... | 1     | —     | —      | —       |
| Poliomyelitis .....     | 2     | 3     | 1      | 1       |

TABLE III.  
AGE INCIDENCE OF INFECTIOUS DISEASE.

| Age.  | Scarlet<br>Fever. | Diphtheria. | Pneumonia | Erysipelas | Polio-<br>Myelitis |
|-------|-------------------|-------------|-----------|------------|--------------------|
| 0-1   | —                 | —           | 1         | —          | —                  |
| 1-2   | —                 | —           | 7         | —          | 1                  |
| 2-3   | —                 | —           | 1         | —          | —                  |
| 3-4   | —                 | —           | 1         | —          | —                  |
| 4-5   | —                 | —           | 1         | —          | 1                  |
| 5-10  | 4                 | 2           | 5         | —          | 4                  |
| 10-15 | 3                 | 3           | —         | —          | —                  |
| 15-20 | —                 | 2           | —         | —          | 1                  |
| 20-35 | —                 | 1           | 3         | —          | —                  |
| 35 up | 1                 | —           | 16        | 8          | —                  |

### CANCER.

There were 27 deaths from Cancer compared with 33 deaths last year and 31 the year before. The site of the disease was as follows:

|                        |   |
|------------------------|---|
| Tongue                 | 2 |
| Eye                    | 1 |
| Lung                   | 1 |
| Stomach                | 2 |
| Intestines             | 9 |
| Breast                 | 1 |
| Genito Urinary System  | 7 |
| Liver and Gall Bladder | 2 |
| Media Stirrum          | 1 |
| Skin                   | 1 |

### AGE INCIDENCE.

|       |    |
|-------|----|
| Years |    |
| 0-1   | —  |
| 1-5   | —  |
| 5-15  | —  |
| 15-25 | —  |
| 25-35 | 2  |
| 35-45 | 1  |
| 45-55 | 4  |
| 55-65 | 9  |
| 65 up | 11 |

PREVENTION OF BLINDNESS.

No action was taken under Section 176 of the Public Health Act, 1936.

TUBERCULOSIS.

No action was taken under the Public Health (Prevention of Tuberculosis) Regulations, 1925 relating to persons suffering from pulmonary tuberculosis employed in the milk trade), or under Section 172 of the Public Health Act, 1936 (relating to the compulsory removal to Hospital of persons suffering from Tuberculosis).

New cases of Mortality during 1938.

TABLE I.

| Age<br>Periods | New Cases   |   |           |   | Deaths      |   |           |   |
|----------------|-------------|---|-----------|---|-------------|---|-----------|---|
|                | Respiratory |   | Non-Resp. |   | Respiratory |   | Non-Resp. |   |
|                | M           | F | M         | F | M           | F | M         | F |
| 0— .....       |             |   |           |   |             |   |           |   |
| 1— .....       |             |   | 3         | 1 |             |   |           |   |
| 5— .....       | 1           | 1 | 2         | 3 |             |   | 1         | 1 |
| 15— .....      | 3           | 7 | 2         | 1 | 1           | 1 | 1         |   |
| 25— .....      | 1           |   |           |   | 1           |   |           |   |
| 35— .....      | 2           |   |           |   |             |   |           |   |
| 45— .....      | 3           |   |           |   | 6           |   |           |   |
| 55— .....      | 1           |   |           |   |             | 1 |           |   |
| 65— .....      | 1           | 1 |           |   |             | 1 |           |   |
| Totals .....   | 12          | 9 | 7         | 5 | 8           | 3 | 2         | 1 |

TABLE II.

DISTRIBUTION IN WARDS.

NEW CASES.

|       |       |        |         |
|-------|-------|--------|---------|
| North | South | Market | Central |
| 14    | 8     | 3      | 8       |

DEATHS.

|   |   |   |   |
|---|---|---|---|
| 1 | 6 | 4 | 3 |
|---|---|---|---|

# ANNUAL REPORT

of the

## Sanitary Inspector

for the year 1938.

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TO THE CHAIRMAN AND MEMBERS OF THE HEALTH  
COMMITTEE.

Madam and Gentlemen,

I beg to submit my report for the year 1938.

During the year under review, the Department has issued 737 letters and 348 Preliminary Notices. Under the Housing Acts, 4 Preliminary and 7 Statutory Notices, and 33 Statutory Notices together with 4 Representations to the Council under the Public Health Acts were served. Under the Shops Act, 1934, 7 Preliminary and 1 Statutory Notices were served.

### **FACTORY AND WORKSHOPS ACT, 1937.**

This Act came into being on the 1st July, 1938.

The number of workshops on the register, including bakehouses, is 112, an increase of 6.

103 visits were paid to the workshops and workplaces during the year, and written or verbal Notices were given to remedy the following defects:—

|                                             |    |
|---------------------------------------------|----|
| Want of cleanliness.....                    | 16 |
| Water Closets unsuitable or defective ..... | 11 |
| Workshops dilapidated .....                 | 3  |
| Other Nuisances .....                       | 2  |

The number of bakehouses on the register is 11, and these have been visited on 25 occasions, and all have been kept in a satisfactory manner.

### **SHOPS ACT, 1934.**

During the year, 7 Preliminary and 1 Statutory Notices were served and 146 inspections have been made to the various premises. The number of shops on the register is 297, which includes small shops run in connection with house, also lock up shops.

Defects were found in 14 instances, and 2 additional Sanitary conveniences have been erected, and heating appliances have been provided or repaired in 5 instances.

### **COWSHEDS, DAIRIES and MILK SUPPLY.**

The number of Cowkeepers in the District is 8, the number of Cowsheds 16, and the approximate number of Milch Cows 90.

25 visits have been paid to the premises, and in one instance it was necessary to draw the attention of the Cowkeeper to the unsatisfactory condition of his shed.

There are on the register, 23 Purveyors of Milk, also 4 Dairymen. 11 Purveyors of Milk and 2 Dairymen reside outside the District, the Dairymen retailing "Accredited" Milk. One local Dairyman retails "Accredited Milk" and the other "Pasteurised." There are also in the town, small shops that retail bottled milk, brought into the town by the bottlers, these number 21.

96 visits have been paid to the various premises, and one contravention was found.

In the early part of the year, a new dairy provided with all the up-to-date methods was opened, and the old dairy was closed.

Also, reports of Bacteriological examination of samples of Milk have been received from the County Medical Officer of Health. The examination is carried out by the Methylene Blue Test. One tube was reported to be unsatisfactory. The samples of Milk are taken by the County Council's Veterinary Surgeon or the County Sanitary Inspector, and are from the Accredited Producers. No samples of Milk were taken by this Department.

### **ICE CREAM VENDORS.**

During the summer months, particular attention is paid to the premises where ice cream is made, also visits were paid to the shops who import the ice cream in cartons or boxes from the manufacturers. It was not necessary to draw the attention of the makers to any contraventions.

### **SLAUGHTER HOUSES and MEAT INSPECTION.**

The number of Slaughter houses on the register is 12, one slaughter house having been demolished by the Owners.

Of this number 5 are registered, and 7 licensed, 5 of these being annual.

During the year, 1 person was licensed to slaughter animals under the Slaughter of Animals Act, 1933, and 2 others had their licenses renewed.

The slaughter houses are visited daily, when the Inspector is given every opportunity to see that the slaughter houses are kept clean and free from nuisances.

One occupier has again been a source of trouble, in failing to remove offals and garbage within the 24 hours of slaughtering, and two others had their attention drawn to the want of sufficient tins for garbage and offals, and after a severe warning, the slaughter houses have been well kept within the scope of the Bye-laws and Regulations.

Once again, I record the good feeling that exists between the local Butchers' Association and this Department, also my appreciation to the Meat Inspector, who has carried out his duties in a most conscientious and courteous manner.

One Butcher, who resides outside the District, and slaughters in this District, failed to give Notice of Slaughter, as required by the Regulations. He was given a stern warning, stating that the next offence would be taken in a more serious light.

The number of Visits paid to Slaughter Houses, Butchers' Shops and Stalls was 3,311, and the number of Carcases examined was:—Beast, 1,090; Pigs, 4,316; Sheep, 3,757; Calves, 65, making a grand total of 9,228 Carcases.

The following Carcases, Offals and other Foodstuffs were surrendered and destroyed:—

Tuberculosis:

5 Beast Carcases and all Offals.

3 Pig Carcases and all Offals.

1 Sheep Carcase and all Offals.

28 Beast Heads (including tongues).

138 lots Beast Offals.

53 Pig Heads.

239 lots Pig Offals.

2 lots Sheep Offals.

Other diseases not defined:

- 4 Pigs Carcases and all Offals.
- 1 Sheep Carcase and all Offals.
- 2 Beast Heads (including tongues).
- 121 lots Beast Offals.
- 7 Pig Heads.
- 679 lots Pig Offals.
- 10 lots Sheep Offals.
- 1 lot Calve's Offals.

Other Meat and Foodstuffs:

- 423 lbs. Frozen Meat.
- 143 lbs. Beef.
- 92 lbs. Pork (12 lbs. T.B.).
- 30 lbs. Frozen Mutton and Lamb.
- 14 lbs. Forequarter of Bacon.
- 1 Duck.
- 22 lbs. Halibut.
- 2 boxes Mackerel.
- 62½ couples of Rabbits.
- 1 box Chicory.
- 1 tin Prawns.
- 33 tins Assorted Fruits.
- 52 tins Assorted Vegetables.
- 10 6 lb. tins Cooked Meats.
- 1 4 lb. tin Cooked Meat.
- 1 tin Luncheon Ham.
- 1 tin Salmon.
- 1 ton Potatoes.

The following table of Carcases Inspected and Condemned, in the form prescribed in the Ministry of Health's Circular, 1738, concerning the arrangement and setting out of the Annual Reports.

# CARCASES INSPECTED AND CONDEMNED.

|                                                                                                | Cattle<br>excl'd'g<br>Cows | Cows  | Calves | Sheep<br>and<br>Lambs | Pigs  |
|------------------------------------------------------------------------------------------------|----------------------------|-------|--------|-----------------------|-------|
| Number killed .....                                                                            | 775                        | 315   | 65     | 3757                  | 4316  |
| Number inspected .....                                                                         | 775                        | 315   | 65     | 3757                  | 4316  |
| <i>All diseases except Tuberculosis.</i>                                                       |                            |       |        |                       |       |
| Whole Carcases condemned.....                                                                  | —                          | —     | —      | 1                     | 7     |
| Carcases of which some part or<br>organ was condemned .....                                    | 62                         | 41    | 1      | 11                    | 43    |
| Percentage of the number in-<br>spected affected with disease<br>other than tuberculosis ..... | 8                          | 13.01 | 1.54   | .32                   | 10.26 |
| <i>Tuberculosis only.</i>                                                                      |                            |       |        |                       |       |
| Whole Carcases condemned.....                                                                  | 1                          | 4     | —      | 1                     | 3     |
| Carcases of which some part or<br>organ was condemned .....                                    | 45                         | 53    | —      | 2                     | 236   |
| Percentage of the number in-<br>spected affected with tuber-<br>culosis .....                  | 6                          | 18.9  | —      | .08                   | 5.56  |

## OFFENSIVE TRADES.

The number of Trades on the Register is 5. There are now 3 Tripe Boilers, 1 Dealer in Hides, Fats, Bones, etc., and 1 Dealer in Beast, Sheep and Pigs Runners.

125 visits were paid to these premises during the year, and on the whole they have been kept clean and free from nuisances, and conducted satisfactorily. The Hide and Skin Company's premises has been satisfactorily carried on as a whole, though in one instance great pressure had to be taken to facilitate the removal of offals after 24 hours of deposit.

## COLLECTION AND DISPOSAL OF HOUSE REFUSE.

The collection and disposal of the Town's refuse during the past year has been satisfactorily carried out.

## CONTROLLED TIPPING OF REFUSE.

During the annual repairs to the Destructor, we had to resort to controlled tipping as in the previous year on the Destructor site, but it must be borne in mind, that this site cannot go on indefinitely, the coming summer will probably be the last, as the site is rapidly being filled up.

As in the past, two men were detailed off to control the tipping, levelling down, and sorting out anything of value. We had plenty of clinker and fine ash as covering material, the refuse being covered to a depth of nine inches. There was not the least trouble in dealing with the refuse, and we had no complaints during the operation, or since.

The amount dealt with was 201 tons, and the cost worked out at 3/5.6785d. per ton. Had the refuse been dealt with by the Destructor, the cost would have been 6/1.54d. per ton. Also during the month of December, 25 tons of refuse were dealt with by tipping.

The Karrier "Colt" and "Bantam" have dealt with the refuse of the town, with of course, the exception of the "peak" periods of cleaning times and holidays, when extra haulage had to be engaged.

# HOUSE REFUSE COLLECTION AND DISPOSAL.

|                                                                            |            |                  |
|----------------------------------------------------------------------------|------------|------------------|
| Total cost of Collection and Disposal of the Town's Refuse is as follows:— |            |                  |
| Household Refuse Collection                                                | £ s d      | £ s d            |
| Revenue                                                                    | 1759 8 10  |                  |
|                                                                            | 19 2 6     |                  |
|                                                                            |            | 1740 6 4         |
| Disposal                                                                   | 1660 18 10 |                  |
| Revenue                                                                    | 143 16 1   |                  |
|                                                                            |            | 1517 1 11        |
|                                                                            |            | <u>£3257 8 3</u> |

| Pop.   | No. of Weekly Collections |       | Method of Collection | COLLECTION COSTS |                   |                     |                |                      |                        |                        | Method of Disposal | DISPOSAL COSTS. |                   |                     |                |                  |                             |
|--------|---------------------------|-------|----------------------|------------------|-------------------|---------------------|----------------|----------------------|------------------------|------------------------|--------------------|-----------------|-------------------|---------------------|----------------|------------------|-----------------------------|
|        | House                     | Trade |                      | Total Cost       | Total Tons (Est.) | Cost per Ton (Est.) | Cost per House | Cost per 1000 Houses | Cost per head of Pop'n | Cost 1000 hd. of Pop'n |                    | Total Cost      | Total Tons (Est.) | Cost per Ton (Est.) | Cost per House | Cost 1000 Houses | Cost per Head of Population |
| 16,840 | 1                         | 1     | 2 Motors as required | £1,740           | 4,881             | 7/1.57d.            | 6/9.69d.       | £340                 | 2/0.9d.                | £103                   | Destructor         | £1,517          | 4655              | 6/6.21d.            | 5/10.5d.       | £294             | 1/9.62d.                    |
|        |                           |       |                      |                  |                   |                     |                |                      |                        |                        |                    |                 |                   |                     |                |                  | £90                         |

Rate Represented for Collection and Disposal 9.6d.

## INFECTIOUS DISEASES.

Infectious diseases during the past year have been very light, only 23 cases having been admitted to the Foxby Hill (Infectious Diseases) Hospital. Of this number, 17 were from the Urban Area and 6 from the Gainsborough Rural Area.

Of the various diseases admitted, 5 cases of Scarlet Fever, 8 of Diphtheria, 1 suspected Diphtheria, and 3 Poliomyelitis were from the Urban District, the suspected case however proved negative, and 1 Scarlet Fever, 3 Diphtheria and 2 Poliomyelitis were from the Rural District.

One death took place at the Hospital during the year, a Rural case of Poliomyelitis.

The income received for the treatment of patients in the hospital from other Authorities amounted to £48 12 0d.

43 visits have been paid to premises, and during the year, 36 rooms and 389 articles of bedding and clothing have been disinfected. Under the Tuberculosis Regulations, 6 rooms and 77 articles of bedding and clothing were disinfected, whilst 50 miscellaneous articles of clothing and 4 articles of verminous bedding were destroyed.

### Ambulance.

The Morris Ambulance, used in connection with the conveyance of patients and bedding to and from the Isolation Hospital and the Sanatorium, and the transferring of patients from Infectious Hospitals to other Hospitals or Sanatoria has travelled 840 miles, and the receipts for the use of the Ambulance from other Authorities and persons amounted to £40 9 6d.

The Ambulance has travelled to and from Louth, Lincoln, Mansfield, Haxey, Kirton Lindsey, Grasby near Caistor, and many villages within the Gainsborough Rural District.

### Disinfectants.

During the summer months, the usual amount of disinfectants were issued to Householders for the cleansing of drains, etc.

### FRANK OTTER SANATORIUM.

|                                                                           |    |
|---------------------------------------------------------------------------|----|
| The number of patients in the Sanatorium at the beginning of the year was | 6  |
| Number of New Patients admitted                                           | 22 |
| Number of Patients discharged                                             | 15 |
| Patients died                                                             | 4  |
| Number of Patients in at the end of year                                  | 8  |

### HOUSING ACTS, 1930 to 1936.

#### Slum Clearance.

The work in connection with the clearance of the Slum property has, during the year been completed, the third, fourth and fifth years' programmes being merged into the one year, and making a total of 118 houses dealt with. All the houses were revisited before the report was submitted to you, and this report, together with maps defining the areas was presented to you, along with the representations of the Medical Officer of Health on 11th April, 1938, and the orders were made at a meeting of Council on the 19th April, 1938. Owing to a difficulty arising in the obtaining of certain information, the Council at a meeting held on the 2nd of August 1938, rescinded the Orders made at the previous meeting, and made fresh orders. In all 17 Clearance Orders were declared at the later meeting, and resolutions were made, declaring that application be made to the Minister of Health for the confirmation of the Clearance Orders.

On the 29th October, 1938, intimation was received from the Minister of Health submitting copies of objections to eight of the orders, and fixing a provisional date for the Public Inquiry which was to follow.

On the 15th November, 1938, a Housing Inspector of the Ministry of Health, Mr. L. G. Bulstrode, visited Gainsborough, for the purpose of inspecting the remaining nine Clearance Orders to which no objections had been made. Mr. Bulstrode was accompanied by your Sanitary Inspector in the course of his inspection of the houses which were in the following Orders:—

Torr Street (No. 1) Clearance Order, 2–10, Linom Villas.  
Bridge Street (No. 9) Clearance Order, 11/17, Paddock.  
Bridge Street (No. 10) Clearance Order, 2–4, 6–8, Paddock.  
Bridge Street (No. 12) Clearance Order, 1–5, 6 and 8, Sailor's Alley.  
Bridge Road (No. 1) Clearance Order, 1–5, Adelaide Gardens.  
Bridge Road (No. 2) Clearance Order, 15–27, Bridge Hill.  
Lea Road (No. 1) Clearance Order, 2–16, Soap House Row.  
Church Street (No. 1) Clearance Order, 1–19, North's Yard;  
1–7, Smith's Yard and 1–13, Little Church Lane.  
Market Street (No. 1) Clearance Order, 1–9, Curtis' Yard and 3–7,  
Winn's Yard (part order).  
Roseway (No. 1) Clearance Order, 2–12, Roseway.

comprising in all 72 houses.

On the 22nd November, 1938, a Public Inquiry was held in the Town Hall, and was conducted by W. E. Kelly, Esq., A.R.I.B.A., into the following Clearance Orders:—

Urban District of Gainsborough.

Hickman Street (No. 1) Clearance Order, 1938.  
Dwelling-houses Nos. 1, 3, 5, 7, 9, 2, 4 and 6, Wright's Court, Hickman Street, and outbuildings used in connection therewith.

Urban District of Gainsborough.

Willoughby Street (No. 1) Clearance Order, 1938.  
Dwelling-houses Nos. 1, 3, 2, 4, 6, 8 and 10, Bedford's Yard, Willoughby Street, and outbuildings used in connection therewith.

Urban District of Gainsborough.

Bridge Street (No. 11) Clearance Order, 1938.  
Dwelling-houses Nos. 1, 3, 5, 7, 9 and 19, Paddock, Bridge Street, and outbuildings used in connections therewith.

Urban District of Gainsborough.

Lord Street (No. 1) Clearance Order, 1938.  
Dwelling-houses Nos. 1, 2 and 3, Packet Landing Wharf, Lord Street, and outbuildings used in connection therewith.

Urban District of Gainsborough.

Market Street (No. 1) Clearance Order, 1938.

Dwelling-houses Nos. 1, 2, 3, 4, 5, 6, 7 and 8, Coffee Tavern Yard, Market Street, and outbuildings used in connection therewith.

Urban District of Gainsborough.

North Street (No.3) Clearance Order, 1938.

Dwelling-houses Nos. 79 and 81, North Street, and outbuildings used in connection therewith.

Urban District of Gainsborough.

North Street (No. 4) Clearance Order, 1938.

Dwelling-houses Nos. 1, 3, 5, 7 and 9, Alma Place, also 89, North Street, and outbuildings used in connection therewith.

Urban District of Gainsborough.

North Street (No. 5) Clearance Order, 1938.

Dwelling-houses Nos. 6 and 8, Albert Square, North Street, and outbuildings used in connection therewith (Part order).

The Hickman Street, Market Street and the three North Street Objections were withdrawn before the commencement of the Inquiry, in respect of the Lord Street Order, the Owners submitted an undertaking not to use the House No. 1, Packet Landing Wharf for human habitation and to recondition No. 3, Packet Landing Wharf were accepted on behalf of the Council, subject to the approval of the Minister of Health. The reconditioning schemes submitted by the Owners in respect of 3, 2, 4, 6, 8 and 10, Bedford's Yard, and the objection of the Owner to the demolition of the houses comprised in the Bridge Street (No. 11) Order were opposed on behalf of the Council.

Your Clerk, Mr. E. R. Morgan, opened the case for the Council, and supporting evidence was given by your Medical Officer of Health, the Surveyor, the Sanitary Inspector, the Rating and Valuation Officer and Mr. T. Tatam, Architect.

The Objectors were all represented at the Inquiry, and following the Inquiry, the Inspector visited each Area, carefully examining each house involved, and making a thorough inspection of all buildings. In the areas where the objections had been withdrawn, the Inspector made a careful examination of all houses contained therein.

To rehouse the people in these 17 Areas, a building site had been obtained on Ropery Road, for the erection of 92 houses, made up as follows:—

17 pairs Non-parlour type house A4.

16 pairs Non-parlour type house B.3.

6 pairs Non-parlour type house C.2.

7 pairs Non-parlour type house D.1.

and, 56 of the houses were ready for occupation on the 31st December, 1938. It is hoped to commence rehousing early in the new year.

### **Reconditioning of Property.**

The reconditioning of Property has been steadily carried on during the year.

#### **1 to 5, 4, 8 to 14, Pleasant Place.**

This property has been completely reconditioned, the work having been completed early in the year.

#### **1 to 9, 2 to 10, Ebenezer Place.**

The work of reconditioning this property has been completed.

#### **2-16, 1 to 13, Bridge Hill.**

This property has been inspected, and specifications have been prepared with a view of the work being carried out.

#### **1 to 25, 2 to 30, Gibbons Square, also 48, to 58, Hickman Street.**

The whole of this property has been inspected and specifications have been submitted to the Trustees.

It is hoped that the reconditioning of this property and Bridge Hill will be commenced during the coming year.

### **Overcrowding.**

During the year, no new cases of overcrowding have been reported, or brought to the notice of the Department. The number of cases relieved during the year was 3, and the number of persons concerned was 22, and were rehoused in Council houses. There are still 18 houses overcrowded from the original survey, and it is hoped that most of these will be relieved during the next year.

## HOUSING ACT, 1930.

### SLUM CLEARANCE ORDERS.

During the year, 16 houses have been demolished under the Housing Act, 1930, the houses having been dealt with in the second year's Slum Clearance Programme.

### MART AND PLEASURE GROUNDS.

During the visit of the April and October Pleasure Fairs, held on the Mart Ground, I visited 29 Caravans, and found all clean, and the occupants in good health.

### NEW BUILDINGS.

The number of new houses erected during the year was 78, 56 by the Local Authority and 22 by private enterprise.

The following alterations and additions were carried out during the year:—

|                                            |   |
|--------------------------------------------|---|
| New Dairy premises . . . . .               | 1 |
| New Offices . . . . .                      | 1 |
| Garages . . . . .                          | 4 |
| Alterations to Shop Front . . . . .        | 1 |
| New Wash houses . . . . .                  | 3 |
| Alterations to Licensed Premises . . . . . | 1 |
| New Licensed Premises . . . . .            | 1 |
| Extensions to Business Premises . . . . .  | 1 |
| Extensions to Provender Mill . . . . .     | 1 |
| New Conveniences . . . . .                 | 2 |
| Miscellaneous . . . . .                    | 3 |

During the year, 435 visits have been paid to new buildings in the course of erection. Any infringement of the Building Bye-laws were immediately remedied when attention was drawn to them.

### WATER CLOSET ACCOMMODATION.

The approximate number of water closets in the town is 5,337, Pail closets only exist on the hill side of the town, and that by reason of the water supply and drainage system not being available. The number of pail closets is 9.

The old type flush closets are gradually disappearing as Slum Clearance goes on. Probably during the year before us, all will have disappeared.

### MOTOR AMBULANCE.

The Town Ambulance has been used on 181 occasions, and of these, 138 were in the Urban District, and 43 were outside the District, including 7 calls to Road Accidents. The mileage travelled was 1673 miles, and the charges made for the use of the ambulance amounted to £84. Besides making journeys to and from the local hospital, the ambulance made journeys to the towns of Sheffield, Louth, Lincoln, Doncaster and Brigg, all within the 55 miles radius of Gainsborough on a single journey.

### NOTICES SERVED DURING THE YEAR.

|                                               |      |
|-----------------------------------------------|------|
| Letters, Preliminary Notices, including Shops | 1096 |
| Statutory, including Housing and Shops        | 44   |

### GENERAL INSPECTIONS DURING THE YEAR.

|                                      |      |
|--------------------------------------|------|
| Inspections and Re-inspections       | 2441 |
| Slaughter Houses                     | 3311 |
| Bakehouses                           | 25   |
| Workshops                            | 103  |
| Cowsheds and Dairies                 | 121  |
| Offensive Trades                     | 125  |
| Van Dwellers                         | 29   |
| Infectious Diseases                  | 43   |
| New Buildings                        | 435  |
| Shops Act                            | 146  |
| Miscellaneous                        | 1630 |
| Visits re Insects Pests              | 18   |
| Visits re Verminous Houses and Rooms | 25   |

REPAIRS AND NUISANCES REMEDIED DURING THE YEAR.

|                                             |     |
|---------------------------------------------|-----|
| Drains Cleansed or Repaired                 | 19  |
| Drains reconstructed                        | 4   |
| Drain Ventilators fixed or repaired         | 10  |
| Inspection Chambers rebuilt                 | 11  |
| Water Closets cleansed or repaired          | 36  |
| Water Closet structures repaired            | 21  |
| Water Closet structures erected             | 15  |
| Yard Gullies connected to drain             | 34  |
| Sink waste pipes repaired or renewed        | 31  |
| New Sinks provided                          | 21  |
| Portable Dustbins provided                  | 318 |
| Yard pavements, etc., repaired              | 70  |
| Roofs repaired                              | 37  |
| Floors repaired                             | 49  |
| Rain water pipes and eaves gutters repaired | 35  |
| Damp courses inserted                       | 16  |
| Plaster of walls and Ceilings repaired      | 52  |
| Firegrates repaired, reset, renewed         | 39  |
| Windows, Skylights, made to open etc.       | 76  |
| Foodstores repairs or provided              | 20  |
| Wash house structures repaired              | 8   |
| Wash house structures erected               | 4   |
| Coppers reset, repaired or provided         | 20  |
| Chimneys repaired or pointed                | 39  |
| External walls pointed, repaired, etc.      | 32  |
| Coal Stores erected or repaired             | 2   |
| Coal Boxes provided                         | 20  |
| Ashpits abolished                           | 5   |
| Water Supply provided in house              | 21  |
| Stairs repaired or renewed, handrails fixed | 21  |
| Skirtings fixed                             | 1   |
| New footpaths laid                          | 1   |
| Fresh Air Inlets provided                   | 4   |
| New Ventilation Shafts provided             | 6   |
| Accumulations                               | 4   |
| Miscellaneous                               | 37  |
| Verminous Rooms Sprayed                     | 11  |
| Rooms sprayed for insect pests              | 8   |

## WATER SUPPLY.

The following particulars of the Town's water supply and Sewage System has been supplied by Mr. S. Algar, Surveyor and Water Engineer.

The Town's water is derived from three bore holes at the following depths:—No. 1, 1,300 ft.; No. 2, 1,500 ft.; and No. 3, 1,650 ft.

The No. 1 bore hole was put down in 1866 and with its present pumping plant, is capable of yielding only 17,000 gallons per hour. The pump is of the old double acting "bucket" type, driven by a fine old horizontal steam engine by Marshall, Sons & Co., Ltd., this engine is, of course, now obsolete.

The No. 2 bore was put down in 1900 and is equipped with a semi-turbine multi-stage pump by Messrs. Worthington Simpson & Co., Ltd., with alternative drives, viz.—1-150 h.p. electric motor and 1-150 h.p. semi-diesel engine. This pump has recently been taken out for overhaul, and is now giving its normal efficiency with an output of 28,000 gallons per hour.

The No. 3 bore was commenced in 1932, final completion being reached in October, 1938. The bore is capable of yielding 50,000 gallons per hour, the pumping plant comprising a multi stage deepwell pump, by which the water is lifted to ground level and from thence to the reservoirs and water towers by a "booster" pump. These pumps are driven by variable speed motors by which means the output can be varied to anything up to 50,000 gallons per hour. Automatic switch gear is provided together with electrical contact gauges to indicate the depth of water in the bore hole, reservoirs and both water towers. The whole of this equipment is housed in a separate pump house specially built.

With this new additional source of supply, an adequate stand by plant is available, and the combined plants are more than sufficient to meet the consumption demands, the No. 3 plant alone being more than adequate to meet the present demand of 30,000 gallons per hour.

### Storage.

The storage capacities are as follows:—

|                                 |                    |
|---------------------------------|--------------------|
| Reservoirs (Two .....           | 1,641,300 gallons. |
| Water Tower, Cox's Hill .....   | 6,500 „            |
| Water Tower, Housing Site ..... | 30,000 „           |

### Analysis of Water.

As a result of the unfortunate epidemic of Typhoid Fever which broke out at Croyden, due to the drinking water being contaminated, the Ministry of Health approached all Water Undertakers pointing out that their water supplies should be subjected to frequent bacteriological analysis. It must be stated however, that this very essential requirement where water supplies are concerned, has not been lost sight of. It has always been the practice of your Water Engineer to obtain analyses from time to time.

The Ministry have recently circulated a further memorandum on the “day to day” administration of water supplies, drawing serious attention to routine matters which should receive the most meritorious care and attention. Your Water Engineer has already reported at some considerable length to his Committee on the contents of the Memorandum, and as result, has been instructed to report on the matter of installing a chlorinating plant with a view to the prevention, rather than cure of possible pollution.

Anylnsis continues to be taken bi-monthly.

### DRAINAGE and SEWAGE.

There are no sewage works in this district, and all sewage is discharged into the River Trent by 10 outfalls. Although the sewage is discharged direct into the river, no complaints have been received as to a nuisance being caused. This, no doubt, is due to the fact that the Trent is a ridal tiver—twice daily in every 24 hours.

The Town's sewers and penstocks are periodically flushed and examined by two sewer men, and it is very rare that there is a sewer or penstock choked.

The alterations carried out to the manhole at the junction of Church Street and New Street, has alleviated the flooding, during heavy rains, in the Church Street Area.

The South end of the town has once again been free from flooding, the No. 8 Outfall Pump continuing to work satisfactorily and at high tides keeping the sewers well below flood level. This is very satisfactory in view of the exceptionally bad weather experienced during the past months with its very heavy rain and snow falls.

At the Refuse Destructor Outfall, a screening chamber was built, the object being to arrest all floating matter such as sticks, rags, etc., which frequently choked the pump suction and thereby causing the pump to cease duty with the inevitable result of the outfall sewer flooding at high tides, especially during heavy rainfall. This has proved very successful, in that no pump chokeages now occur.

The houses erected on the Ropery Road Housing Site, have all been connected to the sewage system.

The cleansing of all street gullies in the town is done by the Mechanical Gully Emptier, and it is a much better and cleaner method than the old method. The average number emptied and cleansed is 105 for a working day, and the cost per gully is approximately 5½d.

I am,

Madam and Gentlemen,

Your obedient Servant,

W. H. TEMPLE.

April, 1939.







